	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	35	small adj subunit adj protein	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/17 16:10			0
2	BRS	L2	5	l1 and (AHAS or ALS)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/17 16:10			0

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
1	☐	☐	US 20020053098 A1	20020502	30	Genes and vectors for conferring herbicide resistance in plants	800/300	536/23.6; 536/24.1; 800/278	
2	☐	☐	US 20010044939 A1	20011122	57	Small subunit of plant acetolactate synthase	800/278	435/183; 435/419; 435/69.1; 536/23.2; 536/23.6	
3	☒	☐	US 6348643 B1	20020219	31	DNA sequences encoding the arabidopsis acetohydroxy-acid synthase small subunit and methods of use	800/300	435/320.1; 435/418; 435/468; 536/23.6; 800/278	
4	☐	☐	WO 9837206 A1	19980827	47	USE OF THE SMALL SUBUNIT OF PLANT ACETOLACTATE SYNTHASE FOR NEW HERBICIDE DISCOVERY			
5	☐	☐	US 6348643 B	20020925	31	New polynucleotide encoding eukaryotic acetohydroxy-acid synthetase small subunit protein for producing transgenic herbicide resistant plants and identifying mutations affecting enzymatic activity of the synthetase			

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Kakefuda, Genichi et al.	☒	☐	☐	☐	☐	☐	☐	US 20020053098	☐
2	Abell, Lynn M. et al.	☒	☐	☐	☐	☐	☐	☐	US 20010044939	☐
3	Kakefuda, Genichi et al.	☐	☐	☐	☐	☐	☐	☐	US 6348643	☐
4	ABELL, LYNN MARIE et al.	☒	☐	☐	☐	☐	☐	☐	WO 9837206 A1	☐
5	COSTELLO, C et al.	☒	☐	☐	☐	☐	☐	☐	US 6348643	☐

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L8 ANSWER 1 OF 23 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI DNA sequences encoding the arabidopsis acetohydroxy-acid synthase **small subunit** and methods of use.

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TI Genes encoding cyanobacterial acetolactate synthase and phytoene desaturase and their use in providing herbicide resistance in transgenic plants

L8 ANSWER 3 OF 23 AGRICOLA DUPLICATE 1
TI Molecular analysis of the acetolactate synthase gene of Chlamydomonas reinhardtii and development of a genetically engineered gene as a dominant selectable marker for genetic transformation.

L8 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI cDNA encoding acetolactate synthase **small subunit** and its uses in improving catalytic activity of holoenzyme in transgenic plants

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TI Purification and characterization of the anabolic acetolactate synthase III from Serratia marcescens ATCC 25419.

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TI Expression, purification, characterisation, and reconstitution of the large and **small subunits** of yeast acetohydroxyacid synthase.

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L8 ANSWER 8 OF 23 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
TI Expression, purification, characterization, and reconstitution of the large and **small subunits** of yeast acetohydroxyacid synthase.

L8 ANSWER 9 OF 23 AGRICOLA DUPLICATE 3
TI Cloning and functional expression of the **small subunit** of acetolactate synthase from Nicotiana plumbaginifolia.

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TI Use of the **small subunit** of plant acetolactate synthase for new herbicide discovery

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TI Mutagenesis of Escherichia coli acetohydroxyacid synthase isoenzyme II and characterization of three herbicide-insensitive forms.

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TI Chemically regulated promoters and pathogenesis-related genes and their use in increasing plant pathogen resistance

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TI Cloning and phylogenetic analysis of the genes encoding acetohydroxy acid synthase from the archaeon Methanococcus aeolicus.

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TI Isolation and characterization of subunits of acetohydroxy acid synthase isozyme III and reconstitution of the holoenzyme.

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stably transformed fertile plants

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TI Molecular cloning, DNA sequencing, and biochemical analyses of Escherichia coli glyoxylate carboligase: An enzyme of the acetohydroxy acid synthase-pyruvate oxidase family.

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TI Purification and characterization of the valine sensitive acetolactate synthase from Serratia marcescens ATCC 25419.

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TI PROPERTIES OF SUBCLONED SUBUNITS OF BACTERIAL ACETOHYDROXY ACID SYNTHASES.

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TI The nucleotide sequence of the ilvBN operon of Escherichia coli: sequence homologies of the acetohydroxy acid synthase isozymes

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TI The ilvB locus of Escherichia coli K-12 is an operon encoding both subunits of acetohydroxyacid synthase I

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(FILE 'HOME' ENTERED AT 16:18:00 ON 17 APR 2003)

FILE 'STNGUIDE' ENTERED AT 16:18:08 ON 17 APR 2003

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 16:18:11 ON 17 APR 2003
L1 211 S SMALL SUBUNIT PROTEIN
L2 5 S L1 AND (AHAS OR ALS)
L3 3 DUP REM L2 (2 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 16:19:43 ON 17 APR 2003
L4 0 S (SMALL SUBUNIT) AND (AHAS OR ALS)
L5 0 S AHAS OR ALS

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 16:32:15 ON 17 APR 2003
L6 31638 S AHAS OR ALS
L7 43 S L6 AND (SMALL SUBUNIT)
L8 23 DUP REM L7 (20 DUPLICATES REMOVED)